IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A mobile communication control system comprising a server and a plurality of routers,

wherein the server comprises:

an address manager configured to manage a ~~first~~ host address of a destination mobile terminal associated with a ~~second~~ routing address of the destination mobile terminal; and

an instructor configured to instruct a source router connected to a source mobile terminal via a radio circuit and a destination router connected to the destination mobile terminal via a radio circuit to store the ~~first~~ host address of the destination mobile terminal associated with the ~~second~~ routing address of the destination mobile terminal;

wherein the source router comprises:

a first address memory configured to store the ~~first~~ host address of the destination mobile terminal associated with the ~~second~~ routing address of the destination mobile terminal, in accordance with the instruction from the server;

an address converter configured to ~~convert~~ delete the ~~first~~ host address of the destination mobile terminal which is included in a packet received from the source mobile terminal as a destination address, [[to]] and add the ~~second~~ routing address of the destination mobile terminal which is associated with the first address of the destination mobile terminal in the first address memory to the packet; and

a routing processor configured to route the received packet to the destination router connected to the destination mobile terminal, in accordance with the ~~second~~ routing address of the destination mobile terminal;

and wherein the destination router comprises:

a second address memory configured to store the ~~first~~ host address of the destination mobile terminal associated with the ~~second~~ routing address of the destination mobile terminal;

an address converter configured to ~~convert~~ delete the ~~second~~ routing address of the destination mobile terminal which is included in the received packet as a destination address, [[to]] and add the ~~first~~ host address of the destination mobile terminal which is associated with the ~~second~~ routing address of the destination mobile terminal in the second address memory to the packet; and

a packet transferring processor configured to transfer the received packet to the destination mobile terminal, in accordance with the ~~first~~ host address of the destination mobile terminal.

Claim 2 (Currently Amended): The mobile communication control system according to claim 1,

wherein the destination router further comprises a selection notifier configured to select the ~~second~~ routing address of the destination mobile terminal which is associated with the ~~first~~ host address of the destination mobile terminal in the second memory, and to notify the selected ~~second~~ routing address of the destination mobile terminal to the server, when the destination mobile terminal moves into a predetermined area, or when the destination mobile terminal changes to an active state;

and wherein the address manager of the server is configured to manage the notified ~~second~~ routing address of the destination mobile terminal associated with the ~~first~~ host address of the destination mobile terminal.

Claim 3 (Currently Amended): The mobile communication control system according to claim 1, wherein

the source router further comprises an inquirer configured to inquire as to the ~~second~~ routing address of the destination mobile terminal of the server, when the ~~first~~ host address memory does not store the ~~second~~ routing address of the destination mobile terminal associated with the ~~first~~ host address of the destination mobile terminal which is included in the packet received from the source mobile terminal as a destination address; and

the instructor of the server is configured to instruct the source router to store the ~~first~~ host address of the destination mobile terminal associated with the ~~second~~ routing address of the destination mobile terminal, in accordance with the inquiry from the source router.

Claim 4 (Currently Amended): The mobile communication control system according to claim 1, wherein the address manager of the server is configured to update the ~~first~~ host address of the destination mobile terminal and the ~~second~~ routing address of the destination mobile terminal which are associated with each other, in accordance with a movement of the destination mobile terminal or a change of state of the destination mobile terminal.

Claim 5 (Currently Amended): The mobile communication control system according to claim 1, wherein the instructor of the server is configured to instruct a router which is not in a route of the packet from the source mobile terminal to the destination mobile terminal, to delete the managed ~~first~~ host address of the destination mobile terminal and the managed ~~second~~ routing address of the destination mobile terminal.

Claim 6 (Currently Amended): The mobile communication control system according to claim 1, wherein the address converter of the source router or the destination router is

configured to distinguish the ~~first~~ host address of the destination mobile terminal from the ~~second~~ routing address of the destination mobile terminal, in accordance with at least one decision bit in the packet.

Claim 7 (Currently Amended): A mobile communication control method comprising the steps of:

transmitting a packet including a ~~first~~ host address of a destination mobile terminal as a destination address, in a source mobile terminal;

instructing a source router connected to the source mobile terminal via a radio circuit and a destination router connected to the destination mobile terminal via a radio circuit to store the ~~first~~ host address of the destination mobile terminal associated with a ~~second~~ routing address of the destination mobile terminal, in a server;

storing the ~~first~~ host address of the destination mobile terminal associated with the ~~second~~ routing address of the destination mobile terminal, in accordance with the instruction from the server, in the source router;

~~converting~~ deleting the ~~first~~ host address of the destination mobile terminal which is included in the packet received from the source mobile terminal as a destination address, [[to]] and adding the ~~second~~ routing address of the destination mobile terminal which is associated with the ~~first~~ host address of the destination mobile terminal to the packet, in the source router;

routing the received packet to the destination router connected to the destination mobile terminal, in accordance with the ~~second~~ routing address of the destination mobile terminal, in the source router;

~~converting~~ deleting the ~~second~~ routing address of the destination mobile terminal which is included in the received packet as a destination address, [[to]] and adding the ~~first~~

host address of the destination mobile terminal which is associated with the ~~second~~ routing address of the destination mobile terminal to the packet, in the destination router; and

transferring the received packet to the destination mobile terminal, in accordance with the ~~first~~ host address of the destination mobile terminal.

Claim 8 (Currently Amended): A server used in a mobile communication network for transferring a packet from a source mobile terminal to a destination mobile terminal via a plurality of routers, the server comprising:

an address manager configured to manage a ~~first~~ host address of the destination mobile terminal associated with a ~~second~~ routing address of the destination mobile terminal; and

an instructor configured to instruct a source router connected to the source mobile terminal via a radio circuit and a destination router connected to the destination mobile terminal via a radio circuit to store the ~~first~~ host address of the destination mobile terminal associated with the ~~second~~ routing address of the destination mobile terminal.

Claim 9 (Currently Amended): The server according to claim 8, wherein the address manager is configured to update the ~~first~~ host address of the destination mobile terminal and the ~~second~~ routing address of the destination mobile terminal which are associated with each other, in accordance with a movement of the destination mobile terminal or a change of state of the destination mobile terminal.

Claim 10 (Currently Amended): The server according to claim 8, wherein the instructor is configured to instruct a router which is not in a route of the packet from the source mobile terminal to the destination mobile terminal, to delete the managed ~~first~~ host

address of the destination mobile terminal and the managed ~~second~~ routing address of the destination mobile terminal.

Claim 11 (Currently Amended): A router connected to a source mobile terminal comprising:

an inquirer configured to inquire as to a ~~second~~ routing address of a destination mobile terminal of a server, when a first address memory does not store the ~~second~~ routing address of the destination mobile terminal associated with a ~~first~~ host address of the destination mobile terminal which is included in a packet received from the source mobile terminal as a destination address;

the first address memory configured to store the ~~first~~ host address of the destination mobile terminal associated with the ~~second~~ routing address of the destination mobile terminal, in accordance with an instruction from the server;

an address converter configured to ~~convert~~ delete the ~~first~~ host address of the destination mobile terminal which is included in the packet received from the source mobile terminal as a destination address, [[to]] and add the ~~second~~ routing address of the destination mobile terminal which is associated with the ~~first~~ host address of the destination mobile terminal in the first address memory to the packet; and

a routing processor configured to route the received packet to a destination router connected to the destination mobile terminal via a radio circuit, in accordance with the ~~second~~ routing address of the destination mobile terminal.

Claim 12 (Currently Amended): The router according to claim 11, wherein the address converter is configured to distinguish the ~~first~~ host address of the destination mobile

terminal from the ~~second~~ routing address of the destination mobile terminal, in accordance with at least one decision bit in the packet.

Claim 13 (Currently Amended): A router connected to a destination mobile terminal comprising:

a selection notifier configured to select a ~~second~~ routing address of the destination mobile terminal which is associated with a ~~first~~ host address of the destination mobile terminal in a second memory, and to notify the selected ~~second~~ routing address of the destination mobile terminal to a server, when the destination mobile terminal moves into a predetermined area, or when the destination mobile terminal has changed to an active state;

the second address memory configured to store the ~~first~~ host address of the destination mobile terminal associated with the ~~second~~ routing address of the destination mobile terminal;

an address converter configured to ~~convert~~ delete the ~~second~~ routing address of the destination mobile terminal which is included in a received packet as a destination address, [[to]] and add the ~~first~~ host address of the destination mobile terminal which is associated with the ~~second~~ routing address of the destination mobile terminal in the second address memory to the packet; and

a packet transferring processor configured to transfer the received packet to the destination mobile terminal, in accordance with the ~~first~~ host address of the destination mobile terminal.

Claim 14 (Currently Amended): The router according to claim 13, wherein the address converter is configured to distinguish the ~~first~~ host address of the destination mobile terminal from the ~~second~~ routing address of the destination mobile terminal, in accordance

with at least one decision bit in the packet.

Claim 15 (Currently Amended): The router according to Claim 11, wherein the address converter is configured to distinguish the host address of the destination mobile terminal from the routing address of the destination mobile terminal, by using a most significant bit of an IPv6 address in the packet ~~A computer-readable storage medium encoded with a data structure of a packet for transfer from a source mobile terminal to a destination mobile terminal via a plurality of routers, the data structure is accessible by the plurality of routers in order to route the packet, wherein a most significant bit of an IPv6 address in the packet functions as a decision bit for distinguishing a first address of the destination mobile terminal from a second address of the destination mobile terminal,~~

~~a source router connected to the source mobile terminal via a radio circuit is configured to convert the first address of the destination mobile terminal which is included in the packet received from the source mobile terminal as a destination address, to the second address of the destination mobile terminal which is associated with the first address of the destination mobile terminal, and route the received packet to a destination router connected to the destination mobile terminal via a radio circuit, in accordance with the second address of the destination mobile terminal, and~~

~~the destination router is configured to convert the second address of the destination mobile terminal which is included in the received packet as a destination address, to the first address of the destination mobile terminal which is associated with the second address of the destination mobile terminal, and transfer the received packet to the destination mobile terminal, in accordance with the first address of the destination mobile terminal~~.

Claim 16 (Currently Amended): The router according to Claim 11, wherein the address converter is configured to distinguish the host address of the destination mobile terminal from the routing address of the destination mobile terminal, by using a most significant bit of an IPv6 address in the packet, by using any bit in a range of a 33rd bit to a 64th bit of an IPv6 address in the packet ~~A computer-readable storage medium encoded with a data structure of a packet for transfer from a source mobile terminal to a destination mobile terminal via a plurality of routers, the data structure is accessible by the plurality of routers in order to route the packet, wherein any bit in the range of the 33rd bit to 64th bit of an IPv6 address in the packet functions as a decision bit which distinguishes a first address of the destination mobile terminal from a second address of the destination mobile terminal,~~

~~a source router connected to the source mobile terminal via a radio circuit is configured to convert the first address of the destination mobile terminal which is included in the packet received from the source mobile terminal as a destination address, to the second address of the destination mobile terminal which is associated with the first address of the destination mobile terminal, and route the received packet to a destination router connected to the destination mobile terminal via a radio circuit, in accordance with the second address of the destination mobile terminal, and~~

~~the destination router is configured to convert the second address of the destination mobile terminal which is included in the received packet as a destination address, to the first address of the destination mobile terminal which is associated with the second address of the destination mobile terminal, and transfer the received packet to the destination mobile terminal, in accordance with the first address of the destination mobile terminal~~.

Claim 17 (Currently Amended): The mobile communication control system to claim 1, wherein

the address converter of the source router is configured to ~~convert~~ delete a ~~first~~ host address of the source mobile terminal which is included in [[a]] the packet received from the source mobile terminal as a source address, [[to]] and add a ~~second~~ routing address of the source mobile terminal which is associated with the ~~first~~ host address of the source mobile terminal to the packet; and

the address converter of the destination router is configured to ~~convert~~ delete the ~~second~~ routing address of the source mobile terminal which is included in the received packet as a source address, [[to]] and add the ~~first~~ host address of the source mobile terminal which is associated with the ~~second~~ routing address of the source mobile terminal to the packet.

Claim 18 (Currently Amended): The router according to claim 11, wherein the address converter is configured to ~~convert~~ delete a ~~first~~ host address of the source mobile terminal which is included in the packet received from the source mobile terminal as a source address, [[to]] and add a ~~second~~ routing address of the source mobile terminal which is associated with the first address of the source mobile terminal to the packet.

Claim 19 (Currently Amended): The router according to claim 13, wherein the address converter is configured to ~~convert~~ delete a ~~second~~ routing address of the source mobile terminal which is included in [[a]] the received packet as a source address, [[to]] and add a ~~first~~ host address of the source mobile terminal which is associated with the ~~second~~ routing address of the source mobile terminal to the packet.

Claim 20 (New): The router according to claim 13, wherein the address converter is configured to distinguish the host address of the destination mobile terminal from the routing

address of the destination mobile terminal, by using a most significant bit of an IPv6 address in the packet.

Claim 21 (New): The router according to Claim 13, wherein the address converter is configured to distinguish the host address of the destination mobile terminal from the routing address of the destination mobile terminal, by using a most significant bit of an IPv6 address in the packet, by using any bit in a range of a 33rd bit to 64th bit of an IPv6 address in the packet.